

ELECTRONIC DEVICE AND METHOD OF ADJUSTING USER INTERFACE THEREOF

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation application of U.S. patent application entitled “ELECTRONIC DEVICE AND METHOD OF ADJUSTING USER INTERFACE THEREOF” with application Ser. No. 14/600,417, filed on Jan. 20, 2015 and having the same assignee as the instant application.

[0002] This application claims priority to Chinese Patent Application No. 201410420463.3 filed on Aug. 25, 2014, and claims priority to U.S. patent application Ser. No. 14/600,417, filed on Jan. 20, 2015, the contents of which are incorporated by reference herein.

FIELD

[0003] The subject matter herein generally relates to an electronic device and a method of adjusting user interface of the electronic device.

BACKGROUND

[0004] Display screens of electronic devices such as a mobile phone, personal data assistants (PDAs), personal computers, game consoles and so on, are developing towards big sizes. So, the electronic device generally includes a user interface with a big size.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] Implementations of the present technology will now be described, by way of example only, with reference to the attached figures.

[0006] FIG. 1 is a diagrammatic view of an electronic device in accordance with an example of the present disclosure.

[0007] FIG. 2 is a flowchart of a method of adjusting a user interface of the electronic device in FIG. 1.

DETAILED DESCRIPTION

[0008] It will be appreciated that for simplicity and clarity of illustration, where appropriate, reference numerals have been repeated among the different figures to indicate corresponding or analogous elements. In addition, numerous specific details are set forth in order to provide a thorough understanding of the embodiments described herein. However, it will be understood by those of ordinary skill in the art that the embodiments described herein can be practiced without these specific details. In other instances, methods, procedures and components have not been described in detail so as not to obscure the related relevant feature being described. Also, the description is not to be considered as limiting the scope of the embodiments described herein. The drawings are not necessarily to scale and the proportions of certain parts have been exaggerated to better illustrate details and features of the present disclosure.

[0009] Several definitions that apply throughout this disclosure will now be presented.

[0010] The term “coupled” is defined as connected, whether directly or indirectly through intervening components, and is not necessarily limited to physical connections. The connection can be such that the objects are permanently

connected or releasably connected. The term “comprising,” when utilized, means “including, but not necessarily limited to”; it specifically indicates open-ended inclusion or membership in the so-described combination, group, series and the like.

[0011] The present disclosure is described in relation to an electronic device. The electronic device can include a control unit, an environment sensor unit configured to detect working environment of the electronic device to get a detected environment information, a storage unit configured to store a preset environment threshold, and a display unit. The control unit is configured to compare the detected environment information with the preset environment threshold, determine a type of the working environment of the electronic device, and controls the display unit to adjust user interface or interaction mode of the electronic device, according to the type of the working environment of the electronic device.

[0012] The present disclosure is described further in relation to a method of adjusting a user interface of an electronic device. The method can include: detecting a current working environment and a current working status of the electronic device by a control unit, a fingerprint sensor unit and an environment sensor unit to get a detected environment information and a detected working status; comparing the detected environment information and/or the detected working status with a preset environment threshold and/or a preset status by a comparing unit to determine a type of the current working environment and the current working status of the electronic device; and controlling a display unit to automatically adjust the user interface by the control unit, according to the type of the current working environment and the current working status of the electronic device.

[0013] FIG. 1 illustrates an electronic device 100 of an embodiment of the present disclosure. The electronic device 100 can include a control unit 10, a storage unit 20, a fingerprint sensor unit 30, an environment sensor unit 40 and a display unit 50.

[0014] The storage unit 20 can be configured to store a plurality of preset fingerprint information and environment thresholds. The fingerprint sensor unit 30 can be configured to detect a user's fingerprint to get a detected fingerprint. The control unit 10 can be configured to compare the detected fingerprint with the predetermined fingerprint, and control the display unit 50 to change user interface basing on a compared result. The environment sensor unit 40 can be configured to detect a working environment of the electronic device 100 to get a detected environment information. The control unit 10 can further be configured to compare the detected environment information with the preset environment threshold to determine the current working environment of the electronic device 100, and control the electronic device 100 to change the user interface or interaction mode basing on the current working environment of the electronic device 100.

[0015] The control unit 10 can include a comparing unit 11, a user-interface-analyzing unit 12 and a detecting unit 13. The comparing unit 11 can be configured to compare the detected fingerprint with the preset fingerprint stored in the storage unit 20, and compare the detected environment information with the preset environment threshold stored in the storage unit 20, to determine the current working environment and status of the electronic device 100. The user-interface-analyzing unit 12 can be configured to determine